



## Camouflage and Color • Study Guide

This webisode was developed specifically for use in education to help teach curriculum-based ocean concepts. In this webisode, Jonathan explores marine animals' use of color to survive, including not just camouflage techniques, but aposematic coloration and ways that animals use color to attract a mate or stand out.

### Objectives

1. Introduces viewers to various ways color can be used for survival in the marine environment.
2. Shows examples of the different kinds of animals using camouflage, aposematic coloration and other forms of color and camouflage.

### Questions for before watching the program

1. What is camouflage? How is it often used by animals? Give some examples of animals that are camouflaged.
2. What other ways might animals use color to survive, other than camouflage? (*Hint, think of a peacock*).
3. Can fish have camouflage? What about sharks?

### Discussion for after watching the program

1. The frogfish is an *ambush predator*. What is an ambush predator? What other ways might animals get their prey?
2. Why do you think some animals in the ocean want to blend in, but others want to stand out?
3. What is *mimicry*? Other than the examples given in the film, can you think of other examples of mimicry?
4. What are the two main reasons animals use camouflage? (*Hint: has to do with being a predator or prey*).
5. A nudibranch has *aposematic* camouflage. What does that mean?
6. Internet research: How does an octopus accomplish changing the color of its skin?